

Current research

Isotopic Geobiology

Recently I am doing research in seawaters and its related carbonates by investigating non-traditionally stable isotopes. I try to find the relation between seawater, phytoplankton, other living organisms, and precipitated carbonates, to distinguish the fractionation from seawater and into carbonates through microorganisms in modern conditions. Through these investigations, I try to reconstruct ancient seawaters' isotope fractionation from carbonates.

Employment

Guest Researcher

Geology

København K, Denmark

1 Feb 2024 → nu

Postdoc

Geology

København K, Denmark

1 Dec 2018 → 31 Jan 2024

Jesper Allan Frederiksen

Guest Researcher

Geology

Postal address:

Øster Voldgade 10

1350

København K

Email: jaf@ign.ku.dk

Mobile: +4550438116



Qualifications

Biogeochemistry, Ph.D, Department of Geosciences and Natural Resource Management

1 Apr 2019 → 31 Mar 2022

Award Date: 6 May 2022

M.Sc. in Geology-Geoscience, Palaeo-Climatology, Department of Geosciences and Natural Resource Management

Award Date: 29 Oct 2018

Geology-Geoscience, B.Sc, Institut for Geografi og Geologi, KU

Sep 2013 → Jun 2016

Award Date: 21 Jun 2016

Research Assistant, Department of Geosciences and Natural Resource Management

1 Dec 2018 → 31 Mar 2019

Student Assistant, Department of Geosciences and Natural Resource Management

15 Mar 2017 → 31 Oct 2018

Association membership:

- Board member of Geological Society of Denmark (DGF)
- American Geophysical Union (AGU) (membership)
- Geochemical Society (GS) (membership)

Reviewer

- Geochimica et Cosmochimica Acta (GCA)

Teaching and supervision:

TA: Grundlæggende geologiske processer og materialer, Bachelor, 2019; Metal og mineralressourcer - udforskning, økonomi, udnyttelse og bæredygtighed, Bachelor, 2020; Core to Crust: Earth's Evolution and Processes (part 1), Master's 2020

Lecturer: Core to Crust: Earth's Evolution and Processes (part 1), Master's, 2021; Past Climate, Master's, 2023

Censor: Early Earth - Formation and History, Master's Course, 2022/2023
Supervision: Bachelor student 2023, Master's students, 2019, 2022, 2023